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THE

PLOTTER

CLACKAMAS COMPUTER APPLIED
TRAINING SOCIETY
NEWS LETTER
****
VOLUME 10   **   NUMBER
******
JULY   1992

**COMPUTING THE FUTURE--
IN CLACKAMAS COUNTY**
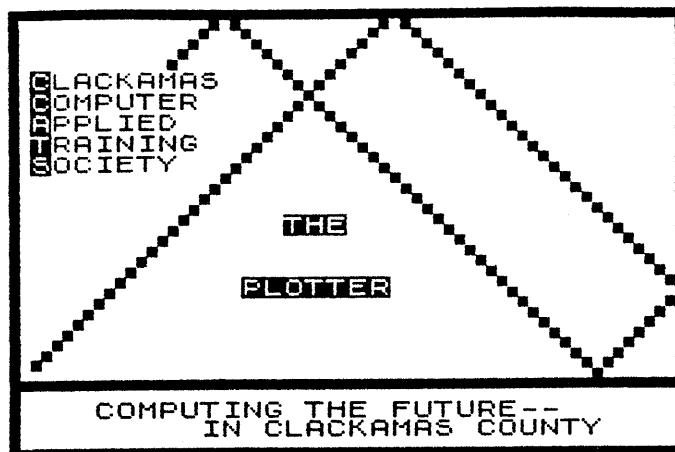
EDITED BY:	DICK WAGNER
CHAIRMAN:	JACK ARMSTRONG
V/CHAIRMAN:	ROD GOWEN
SECRETARY:	DICK WAGNER
TREASURER:	ROD GOWEN
PR OFFICER:	BOB EVANS
LIBRARIANS:	BILL DUNLOP
	ALICE DUNLOP

MEETING

The JULY meeting will be:

on: FRI., JULY 10 1992

MEETING open at: 7:00 P.M.
in: BARLOW HALL, ROOM 112
    CLACKAMAS COMMUNITY COLLEGE
    OREGON CITY SHOPPING CENTER

WHAT YOU WILL FIND IN THIS ISSUE:

JUNE MEETING

The meeting was called to order by Chairman Jack Armstrong at 8:10 PM at Barlow Hall. Five members were in attendance.

Under old business, Jack reported on the price and availability of paper suitable for The Best Of The Plotter covers. It looks like we should have no problem in obtaining desireable paper. Weight and stiffness will depend upon the printing press we will use.

Under new business, Rod Gowen reported new "open" hours for his business, RMG Enterprises. The telephone will be answered from the hours 6 AM to 3 PM Monday thru Saturday. He has been trying to settle on hours that will provide early telephone contact with eastern businesses.

Jack thought that he and Bill Dunlop were about complete on articles and program copying, and probably Alice Dunlop was finished with her part. The need to also develop copies of programs for disk use (LKDOS) has been taking some additional time as

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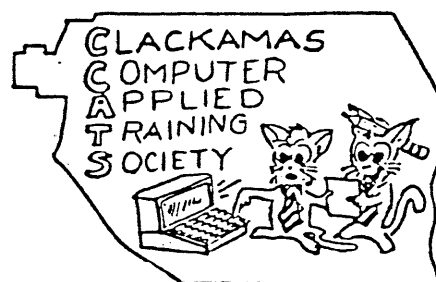
Continued from page 1
all programs for the 2068 are being upgraded and corrected where necessary.

Rod reported having had a telephone conversation with Cyd Wyncoop recently, mainly to see if his 2068 programs are still available.

The meeting was adjourned at 9:00 PM.

Dick F. Wagner
Secretary

NOTE: Before the meeting started Dick Wagner gave an informal report on Tim Woods, managing editor of the defunct publication, Time Design Magazine. He has taken about two years of medical training to qualify for a medic position with the Molalla Rural Fire Protection District. His computer use seems to be limited to special programs for an MSDOS computer, fire department records, etc. He now has the third child, all are doing well. An invitation has been extended to him to take in our meetings.

BITS & BYTES
by: Rod Gowen

In this column I try to bring you the latest and complete information and news available to me regarding the world of TS computing. One way that I can accomplish this is if I have the support of you, the reader, in collecting news that may be of interest to other readers. If you have any news, rumors or other tidbits of information that fits this description, why not send it along? We will be watching!

VULCAN DROPS ORPHANS!!!---------
Yes! This is a re-run! We think that this is important enough to merit a repeat showing and printing of the address to write to. We also noted that the latest issue of Computer Monthly ran a re-run of last issues' T/S column. Could it be that Bill Ferrebee is too busy to get his columns in as well as being too busy to honor his other obligations? Maybe we should ask for a new magazine AND a new columnist! If you have been reading Bill's column over the past few months you have noted as we have that he seems to have become obsessed with promoting his "public domain" disks and desktop publishing to the exclusion of any other material. Are we wrong? In any case, we need to get this write-in campaign moving! WE NEED YOUR HELP! YOU NEED OUR HELP! ALL TS USERS AS WELL AS AMIGA, COMMODORE, TI-99, SANYO AND TRS80 USERS MUST UNITE! Write or call AT ONCE!

COMPUTER MONTHLY
P. O. BOX 55886
BIRMINGHAM, AL 35255-9951
205/388-9708

If you don't do it now, you have no one to blame except yourself when your sources are all dead and gone!

BEST OF THE PLOTTER---
project is going forward. The cover and section separator pages have been approved and we move on now to the text and programs. Most of the work is done on the text. Most of the programs have been typed in and tested with revisions being made where needed. The programs for the 2068 will be available on LKDOS disk or on cassette. The disk version may or may not be run-able in some cases. We do NOT want to have to be copying 2 different versions (disk and cassette) for future distribution so we will hope to have both versions set up to run from cassette and if you have a disk drive you can make the simple mod-ifications needed to convert them to disk operation. The price for the book will be $14.95 plus shipping and for the disk/cassette $7.50 plus shipping. There will also be a QL disk only (no MDVs) with the QL programs on it for $5.00 plus shipping. If all three items are ordered at the same time you can get the package for only $24.95 plus shipping and save a bit. DO NOT ORDER NOW!! We will let you know when the orders will be accepted. Keep watching!

>> >> >>

AN OLD FRIEND--

was heard from this week--SYD WYNCOOP! Yes, we received a call from him as a reply to a letter we sent to him asking if he could still supply his software to RMG for resale. On Sunday, June 14, he phoned and we had a nice conversation. It has been over 4 years since he and his family moved to the Los Angeles area. Has it really been that long? He will still supply the software, by the way. He said that he had to dig out his manual to figure out how to load and save using cassettes on the 2068 as it had been so long since he did it! He is currently using a 486/50 for his work. He is still with the Kobota tractor company as its head of financial services. He said that he had assumed that CCATS had ceased to exist as he had never received an expiration notice when his newsletter expired 2 years ago. What happened, Dick? He may renew now that he knows that we are still here and are now supporting all makes of computers. We filled him in on the news of the group, up to and including the book that we are working on. He was still upset at all of the work that he had done on articles for Time Designs and then having it go to waste. He was also unaware that UPDATES Magazine was still publishing. All in all it was a pleasant half hour and we hope to hear from him again soon. Just thought you would like to know!

That's it for now!

See you next time. . .

CORRECTION**

The August 1991 issue of The Plotter carried a program that was intended to produce the day of a week based on the input of the month, day of the month, and year. I recenty had occasion to use this program to determine the year that October 16 fell on Saturday, 1937 or 1938. It so happens that 1937 was the correct year. However, the program will not run Sinclair BASIC but will run in GWBASIC mode on a MSDOS compatable computer.

The error exists in line #200. GWBASic accepts multiple inputs in one line but Sinclair BASIC will not. The solution is to make a separate number for each of the 3 inputs. The correct program follows.

```
110 DIM D$(7)
120 LET D$(1)="MON"
130 LET D$(2)="TUE"
140 LET D$(3)="WED"
150 LET D$(4)="THU"
160 LET D$(5)="FRI"
170 LET D$(6)="SAT"
180 LET D$(7)="SUN"
190 PRINT "DATE (MM,DD,YYYY)";
200 INPUT M: PRINT M;" ";
202 INPUT D: PRINT D;" ";
204 INPUT Y: PRINT Y
205 IF D<0 THEN GO TO 640
210 GO SUB 500
220 PRINT D$(Z)
230 GO TO 190
510 LET N=INT (.6+1/M)
520 LET L=Y-N
530 LET P=M+12*N
540 LET C=L/100
550 LET Y1=INT (C)
560 LET Z1=INT (C/4)
570 LET Z3=INT (5*L/4)
580 LET Z4=INT (13*(P+1)/5)
590 LET Z=Z4+Z3-Y1+Z1+D+5
600 LET Z=Z-(7*INT (Z/7))+1
610 RETURN
```

the plotter

pc page

by: Rod Gowen

I wonder how many of our readers are in the same situation that I find myself in---that is, finding it harder and harder to see what's on the display of our computer. Whether it's because of old age or an eye problem like mine, it can sure take away from our enjoyment of computering. It sure is nice to know that there is help for us out there!

For a long time now, I have been watching ads for screen magnification software from various sources. I have also looked at several hardware solutions to the problem over the past few years. Several companies sell these products. A couple of them are: LS & S GROUP and TELESENSORY SYSTEMS INC.. Recently I have had the opportunity to get some "hands-on" experience with a couple of the products from TELESENSORY SYSTEMS INC.. In this month's column I will discuss the two products that I have been testing: ZOOMTEXT and VISTA.

ZOOMTEXT(tm) is a software solution for people who cannot read a normal 80 column screen for extended periods or at all. This is a screen magnification program with a lot of nice features. Features of Zoomtext include:

MAGNIFICATION: Up to 16 times (depending on your graphics card)
INVERSE (REVERSE) or NORMAL VIDEO MODES
COLOR: mapping or b&w (depending on graphics card)
ZOOM MODES: Full screen, where you can move around the screen as thoug were a window, quick zoom, where you see a screen similar t the full screen mode, Area zoom, which puts a 1/4 screen wir on the screen and allows you to scroll the rest of the scre around in it, Line zoom which is as the name says, 1 line of the screen is magnified and you can move it up or down. Th Glass mode is like having a 1 line magnifying glass that you can make longer or shorter and can move it around the scr or, if you choose, it will follow the cursor or mouse as well.
TRACKING MODES: Cursor, where it will follow your cursor. Mouse, which wil follow the mouse. The Hilite track and a Speech reader tracl modes are also available.
JUSTIFICATION: Edge justify, Half, Full or Center.
WINDOW FUNCITONS: Allow you to Scroll, Move, Resize, View and even choose whether or not you want a frame around your window.
FONT CHOICES: PC standard Font, Helvetica or Courier are available. This will ensure that there will be one that will allow you to read in comfort.

REVIEW MODE: This is a great feature that allows one to start the text
             moving and sit back to read. It can be set to read from top to
             bottom, bottom to top, left to right or right to left. You can
             adjust the speed and tell it whether to stop, re-run or reverse
             at the end of the text.

As you can see, this package has a lot to offer someone who needs a visual
nagnification program. I am currently using it on one of my computers and
have sold copies to some of my customers who were having trouble reading
the screen of their computers. There are two versions of Zoomtext. One for
text only and one that will support graphics as well. The cost is $495.00
for the text version and $595.00 for the graphics version. Admittedly, not
cheap, but when it means the difference between using or not using your
computer, it is well worth it. The only major drawback to this program is
the fact that it requires about 85K of memory to run. This means that there
are programs out there that will not work with it. For where you can buy
this software see the end of this column.

VISTA(tm) is a hardware/software combination solution to the problem at
hand. The Vista system consists of a full-length pc board which, if you ge
one of the latest models, replaces your VGA card. It supports both text
and graphics and is by far the most versatile solution. There are even
other products that can be added to this one at the same time or at a la
date, a mouse and a software package. The board has a PS/2 type mouse
on it as well as the video output for a VGA monitor. If you want to add i
the Lynx software will allow you to connect the Vista board to an
additional video source, such as a cctv (closed circuit tv). Using this,
you could use a split screen and read both the computer and the second
source at the same time.

In addition to allowing the additional input, the Vista supports ALL of the
features of the Zoomtext software package plus a lot more. Here are just
few of the major differences:

MAGNIFICATION: is infinitely variable between 2 and 16 times, both
               vertically and horizontally.
VIEWING MODES: or Presentation modes are a bit different than in Zoomtext
               There is the normal PC screen mode, the Glass mode, the Area mc
               the single line mode and the Dual screen mode. The dual screen r
               also has 2 settings or window sizes. In the single line mode, the
               top and the bottom of the screen is blacked out and all you see
               a single line of magnified material across the center of the
               screen.

                                                              >> >> >>

The great thing about Vista is that, no matter what mode you are in, at a time, you can see exactly what the full screen looks like by simply pressing button 1 on the mouse. This program is totally mouse controlled, which really simplifies the operation of the system. If you press buttons 1 & 2 on the mouse at the same time, you cycle through the various Presentation modes. If you are in a mode other than the one you booted in, you can instantly return to the original mode by simply pressing down and holding all three mouse buttons at the same time for about 2 seconds.

If you simply press all three buttons for just about 1/2 second, your magnified area will change to inverse or reverse video mode. If you want to turn off the Vista features completely, you simply hold down button 2 and move your highlighter to the extreme upper left hand corner and it will blink off. Touching any of the mouse buttons will return you to Vista.

The installation of the Vista board and software is very easy because of the excellent job that was done on the manual. Besides being printed in large text, it is written in plain english. This is a rarity in hardware and software today. The software requires about 11K of RAM which makes i usable with almost any program. There is a version for the standard IBM compatible as well as for the PS/2.

The price of the Vista system is rather steep by most standards. At $2495.00, it checks in as the most expensive add-on screen magnification solution. For what you get, it is well worth it. I am now using and enjoying my Vista board and am really glad it was there to help me.

Both of these items can be ordered through the following sources:

RMG Enterprises
1419-1/2 7th Street
Oregon City, OR 97045-2030
503/655-7484 6AM-3PM TUE-SAT PT
FAX: 503/655-4116

Telesensory Systems, Inc.
455 North Bernardo Avenue
P. O. Box 7455
Mountain View, CA 94039-7455
415/960-0920 Mon-Fri 9-5PM PT
FAX: 415-960-9064

If you would like to talk about either of these products or any other subject that you think might be of interest to our readers at large, or, if you would like a sample of ZOOMTEXT, please feel free to call or write.

See you next time with more PC items of interest.

SALARY RAISE

In the Oregonian Newspaper Parade Magazine of June 7, 1992 there appeared in the "ASK MARILYN" column an explanation of a previously printed question. "You make $10,000 a year. You can have a $1000 raise at the end of each year, or you can have a $300 raise at the end of each six months. Which do you choose?"

This appeared to be a good study in short programming. I worked it out on the basis of using data statements first. Then came up with a formuls that would reproduce the data. Both methods are presented here. Using DATA requires 2 READ lines in order to display the results in column format. In this way one can selectively print the desired data. The READ a and READ b apply to the 6 month periods while READ c applies to the annual raise data. READ a is used to add the first 6 month salary to the second 6 month salary.

The key to this problem is understanding that "end" means a pay period has passed, like December 31 is the end of the annual pay period so the raise is given on January 1 (theoretically). Thus the raise for 1992 is given in 1993. Not exactly a play on words but probably a precise understanding in accounting practice.

Dick Wagner

```
    5 REM DICK WAGNER FOR THE PLO
TTER 6/10/92
   10 REM ASK MARILYN, OREGONIAN
PARADE MAGAZINE JUNE 7, 1992
   20 PRINT "YOU MAKE $10,000 A Y
EAR. YOU CANHAVE A $1000 RAISE A
T THE END OFEACH YEAR,";
   30 PRINT " OR YOU CAN HAVE A
   $300 RAISE AT THE END OF EACH
6 MONTHS."
   40 PRINT : PRINT "WHICH DO YOU
   CHOOSE? 1 OR 2? "
   45 PRINT : PRINT "1. $1000 AT
END OF                   EACH YEA
R                    2. $300 AT T
HE END                   OF EACH
1/2 YEAR"
   47 INPUT D: CLS
```

```
   50 REM RUN A TEST FOR 10 YEARS
, STARTING WITH 1992
   90 PRINT AT 0,0;"YEAR";AT 0,8;
"SALARY";AT 0,20;"SALARY";AT 1,6
;"$300 RAISE";AT 1,18;"$1000 RAI
SE";AT 2,7;"END EACH";AT 2,20;"E
ND EACH";AT 3,7;"6 MONTHS";AT 3,
20;"12 MONTHS"
   95 PRINT
  100 FOR n=0 TO 9
  110 LET s=10000
  120 READ a
  125 READ b
  130 READ c
  135 PRINT 1992+n;TAB 8;s+(a+b);
TAB 20;s+c
  140 NEXT n
  150 DATA 0,300,0,600,900,1000,1
200,1500,2000,1800,2100,3000,240
0,2700,4000,3000,3300,5000,3600,
3900,6000,4200,4500,7000,4800,51
00,8000,5400,5700,9000
  200 IF D=1 THEN PRINT : PRINT "
You selected a raise of $1000 at
 the end of each year."
  210 IF D=1 THEN PRINT : PRINT "
So you lost on that one!"
  220 PRINT : IF D=2 THEN PRINT "
You selected a raise of $300 at
the end of each half year."
  230 PRINT : IF D=2 THEN PRINT "
You will win for a long time on
that choice."


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PARADE MAGAZINE JUNE 7, 1992
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ND EACH";AT 3,7;"6 MONTHS";AT 3,
20;"12 MONTHS"
   95 PRINT                  ≫≫≫
```

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—NOTICE—

Continued from page 7

```
 100 FOR n=0 TO 18 STEP 2
 110 LET s=10000
 135 PRINT 1992+n;TAB 8;s+600*n+
300;TAB 20;s+1000*n/2
 140 NEXT n
 200 IF A=1 THEN PRINT : PRINT "
You selected a raise of $1000 at
the end of each year."
 210 IF A=1 THEN PRINT : PRINT "
So you lost on that one!"
 220 PRINT : IF A=2 THEN PRINT "
You selected a raise of $300 at
the end of each half year."
 230 PRINT : IF A=2 THEN PRINT "
You will win for a long time on
that choice!"
```

Opinions expressed in articles are not necessarily those of members of the Clackamas County T/S User Group. Meeting minutes carry the consensus of members present at meeting. This newsletter nor staff will not be held liable for any damage or consequences due to following instructions, or review of products as contained in this newsletter.

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